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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF: HANIN et al.
 SERIAL NO: 10/786,098
 FILING DATE: February 26, 2004
 FOR: HEAT EXCHANGE DEVICE

GAU: 3753
 EXAMINER: Unassigned

INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.97

COMMISSIONER FOR PATENTS
 P.O. BOX 1450
 ARLINGTON, VA 22313-1450

SIR:

Applicant(s) wish to disclose the following information.

REFERENCES

The applicant(s) wish to make of record the references listed on the attached form PTO-1449. Copies of the listed references are attached, where required, as are either statements of relevancy or any readily available English translations of pertinent portions of any non-English language references.

A check is attached in the amount required under 37 CFR §1.17(p).

RELATED CASES

Attached is a copy of applicant's pending application(s) or issued patent(s) which may be related to the present application. These documents are listed on form PTO-1449, also attached.

A check is attached in the amount required under 37 CFR §1.17(p).

CERTIFICATION

Each item of information contained in this information disclosure statement was cited for the first time in any communication from a foreign patent office in any counterpart foreign application not more than three months prior to the filing of this statement.

No item of information contained in this information disclosure statement was cited for the first time in any communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned, having made reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this statement.

This Information Disclosure Statement is being filed within three months of the filing date of the subject patent application.

This Information Disclosure Statement is being filed before the mailing date of a first Office Action on the merits.

PETITION

Applicant(s) hereby request consideration of the attached information. A check is attached in the amount of the Petition fee required under 37 CFR §1.17(i)(1).

DEPOSIT ACCOUNT

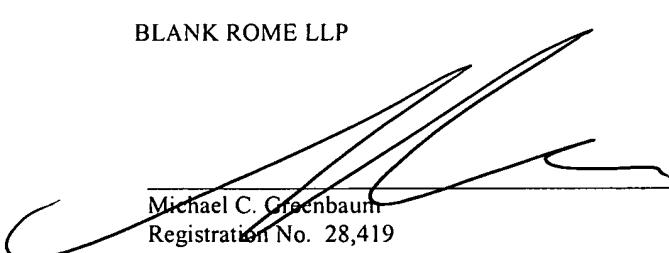
Please charge any additional fees for the papers being filed herewith and for which no check is enclosed herewith, or credit any overpayment to deposit account number 23-2185. A duplicate copy of this sheet is enclosed.

Respectfully Submitted,

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Date: 6/8/04


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ATTY. DOCKET NO.
116686-00271SERIAL NO.
10/786,098LIST OF REFERENCES
CITED BY APPLICANT

APPLICANT Leonid Hanin et al.

FILING DATE
February 26, 2004GROUP
3753

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | DOC. NUMBER | DATE | NAME | CLASS | SUB CLASS | FILING DATE IF APPROPRIATE |
|---|-----------------|----------|-----------------|-------|-----------|----------------------------|
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| O JUN 09 2004 PATENT & TRADEMARK OFFICE F3 JC CCT | AB 6,015,008 | 01/18/00 | Kogure et al. | | | |
| | AC 5,229,643 | 07/20/93 | Ohta et al. | | | |
| | AD 4,923,002 | 05/08/90 | Haussmann | | | |
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FOREIGN PATENT DOCUMENTS

| | DOC. NUMBER | DATE | COUNTRY | TRANSLATION YES | NO |
|----|-------------|------|---------|--------------------------|--------------------------------|
| AO | | | | <input type="checkbox"/> | <input type="checkbox"/> (N/A) |
| AP | | | | <input type="checkbox"/> | <input type="checkbox"/> (N/A) |
| AQ | | | | <input type="checkbox"/> | <input type="checkbox"/> (N/A) |
| AR | | | | <input type="checkbox"/> | <input type="checkbox"/> (N/A) |
| AS | | | | <input type="checkbox"/> | <input type="checkbox"/> (N/A) |
| AT | | | | <input type="checkbox"/> | <input type="checkbox"/> |

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)

| | |
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| AU | S.K. Hati, S.S. Rao, Transactions ASME, Journal of Vibration, Acoustics, Stress, and Reliability in Design, Determination of Optimum Profile of One-Dimensional Cooling Fins, July 1983, Vol. 105, pgs. 317-320 |
| AV | C.J. Maday, Transactions of the ASME, Journal of Engineering for Industry, The Minimum Weight One-Dimensional Straight Cooling Fin, February 1974, pgs. 161-165 |
| AW | L. Hanin, A. Campo, International Journal of Heat and Mass Transfer, Vol. 46, 2003, pgs. 5145-5152 |
| AX | R.J. Duffin, Journal of Mathematics and Mechanics, A Variational Problem Relating to Cooling Fins, Vol. 8, No. 1, 1959, pgs. 47-56 |
| AY | S. Graff et al., Heat Transfer Engineering, Mathematical Analysis of the Length-of-Arc Assumption, Vol. 17, No. 2, 1996, pgs. 67-71 |
| AZ | D.R. Harper, III et al., Report No. 158, Mathematical Equations for Heat Conduction in the Fins of Air-Cooled Engines, pgs. 679-708 |

Examiner

Date Considered

*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.